Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Thursday 12 Dec 2024 until 23:59 on Friday 13 Dec 2024

Forecast Issued on Thursday 12 Dec 2024 at 04:31

Confidence: High for relatively mild with patchy rain through much of the period. However, lowering for cloud details.

Headline for Thursday 12 Dec 2024: Mainly cloudy. Some patchy light rain focused late in day and in east. Light winds. Freezing level lifting above summits.

Mountain weather hazards on Thursday 12 Dec 2024

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
No Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Mist	Fog	Fog	Fog
Precipitation probability					
10%	10%	10%	20%	20%	30%

Forecast for Thursday 12 Dec 2024

Weather: High cloud in the morning, mostly breaking up in the afternoon. Cloud in the valleys and on lower slopes, but cloud tops rising to envelop the summits late afternoon, giving some patchy drizzle.

Chance of cloud-free hill tops above 800m: 80%, falling to 10% late afternoon.

Low cloud and visibility: Very good visibility on the tops to start, but poor at lower levels with cloud bases 200-400m. Cloud tops around 700m, rising above the summits through the afternoon.

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Mountain Weather Forecast

Forecast for Thursday 12 Dec 2024

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	13/21 S	14/20 S	15/18 S	13/15 SE	14/16 SE	15/18 SE	15/18 SE
600	10/17 S	10/17 SE	10/13 S	6/9 SE	11/16 SE	12/17 SE	13/17 SE
300	8/18 S	3/12 S	5/12 S	1/8 SE	3/12 SE	4/14 SE	3/13 SE
Valley	1/10 S	0/9 SE	1/9 SE	1/8 E	2/11 E	3/13 E	2/11 E

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	4/1	3/0	1/-4	1/-3	2/-3	2/-3	2/-3
600	-2/-5	-1/-5	0/-2	3/0	3/-1	3/-1	4/-0
300	2/-1	3/2	5/3	5/4	5/4	5/3	5/4
Valley	2/1	4/3	5/4	5/4	5/4	6/5	5/4
Freezing Level*	900m	1100m	2000m	1600m	1400m	1400m	1300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Chance of lower sub-zero layer through to the early afternoon before the inversion warms out.

Forecast for Friday 13 Dec 2024

Weather: Low cloud through the early hours and much of the day, giving occasional light drizzle. A chance of some drier spells and brief cloud breaks from mid-morning to early afternoon.

Maximum wind: South 5-10 becoming West 10-15 mph late afternoon.

Chance of cloud-free hill tops above 800m: 20%

Low cloud and visibility: Mostly very poor in cloud, bases often down to lower slopes, but may occasionally lift to 800m late morning and early afternoon.

Temperature: **Valleys:** Plus 1 Celsius increasing 6 Celsius for the afternoon
At 800m: Plus 2-3 Celsius
Freezing level: Above summits

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Mountain Weather Forecast

Ground Conditions Supplement
Date: Wednesday 11 December 2024 Location: Helvellyn summit at 1240 UTC. Full report: High pressure is still holding sway across the National Park with a dramatic inversion on the highest summits today. Summit temperatures were warmer than lower down the slopes in the dense cloud and in the valley bottoms. Frost, patchy ice, frozen turf and rime were in evidence above 600m especially in sheltered hollows and on northly aspects. Above 800m it felt very wintery and especially on the Helvellyn plateau there were some large areas of ice which gave tricky going. The few remaining patches of snow were frozen hard but generally easily avoided. The Helvellyn Edges are a mixture of dry rock, hard snow, rime ice and verglas (black ice) especially in the shade. However many southerly aspects had been totally stripped due to the effects of the sun.
Microspikes are currently incredibly useful for the variety of conditions you may experience underfoot especially where the previous snow has been compressed under walkers feet on popular high level routes and is now hard & icy.
Temperature: plus 4.8 C, Maximum wind speed 18.5 mph, Wind chill: minus 1.0 C, Average wind speed: 16.9 mph

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